

SILPRO

WELD-O-BOND™

Water-Based
Interior/Exterior
Ready to Use
Long Open Time

Can achieve bond strengths in excess of 500 psi

SILPRO, LLC / 2 NEW ENGLAND WAY / AYER, MA 01432-1514 / 800-343-1501 / 978-772-4444 / FAX 978-772-7456 / WWW.SILPRO.COM

Silpro **WELD-O-BOND™** Bonding Coat is specifically formulated for bonding Portland cement mixes to interior or exterior concrete or masonry surfaces and gypsum mixes to interior concrete, masonry, or plaster surfaces. Use **WELD-O-BOND™** to bond Silpro products to concrete or masonry walls.

ADVANTAGES

- Bonds new concrete and plaster to compatible surfaces.
- Bonds to old or new concrete, brick, stone, tile, drywall, wood, marble, concrete block, cement plaster and stucco, well bonded paint (non water-soluble), glass block, metal, silicone or rigid polystyrene foam insulation.
- May be applied over damp or dry surfaces as well as "green" concrete.
- Increases working time of mortars by reducing water absorption on porous surfaces.
- Eliminates time, expense, and added weight and thickness of mechanical systems of attachment.
- Heavy bodied - won't sag.
- Ready to use.
- Not affected by weather once covered.
- Non-flammable.

When patching, prime the chipped or spalled areas with **WELD-O-BOND™** to insure a strong, weather-resistant patch. Assures a strong bond between the new floor slab or topping coat and the old slab.

TEST DATA

Shear Bond Adhesion Test: Meets the requirements of ASTM-C-1059-91. Tests were performed using Test Method ASTM-C-1042-91 (Slant Cylinder).

Type I Latex (Interior Test) 490 psi.

Type II Latex (Exterior Test) 1360 psi.

SURFACE PREPARATION

High pressure power wash (3500 psi) or mechanically clean the surface to sound concrete, free of dirt, waxes, paint, curing compounds or any other bond-inhibiting materials. Glossy, painted surfaces should be dulled by sanding. New latex paint must have cured for 7 days and oil-based paint must have cured for 30 days. All paint or other coatings must be firmly adhered to surface.

TEST FOR SUITABILITY OF SURFACE

Brush or roll a coat of **WELD-O-BOND™** onto a small area of the prepared surface. Embed a 12" piece of fabric in the wet **WELD-O-BOND™** leaving a 4" tail. Allow to dry overnight. Pull the tail with a continuous pressure. If fabric and the **WELD-O-BOND™** pull off easily, then the surface is not suitable and further preparation and re-testing is necessary.

APPLYING

For masonry and concrete applications, you may use **WELD-O-BOND™** full strength or dilute 1 gallon of **WELD-O-BOND™** with 1 quart of water for ease of application depending on the substrate. Stir **WELD-O-BOND™** before using. Do not shake or use mechanical mixer. Apply **WELD-O-BOND™** by brush, roller, or spray. Use a brush on all rough or uneven surfaces to get the **WELD-O-BOND™** into the crevices. Spray equipment should deliver 30-40 psi at nozzle and displace 6 cfm. Coat surface completely. Apply the concrete, mortar, plaster, or stucco while the **WELD-O-BOND™** is tacky or dry.

When bonding new plaster to old plaster or blueboard, dilute **WELD-O-BOND™** 1:1 with clean, potable water.

Note: **WELD-O-BOND™** will re-emulsify, only once, during a period of at least two weeks after it has been applied to the substrate when the moisture in the Portland cement or gypsum mix comes in contact with it. Keep the coating of **WELD-O-BOND™** dry (free from running water) until then.

Clean Up: Immediately clean tools with water. If **WELD-O-BOND™** is allowed to dry it must be mechanically removed.

For Customer Service, Call Silpro at 1-800-343-1501

CURING

Cure all cement work as recommended by the Portland Cement Association but do not allow standing water to remain on newly placed floors.

LIMITATIONS

- **WELD-O-BOND™** should be applied only when the temperature of the air, surface, and material is above 50°F. (10°C.).
- Do not allow **WELD-O-BOND™** to freeze in storage or shipment.
- Do not apply:
 - where hydrostatic pressure is present in the surface
 - over frozen concrete or dead plaster
 - over water-soluble coatings
 - over wallpaper.
- Keep surface free of dust and debris prior to the application of the topping.

PACKAGE SIZE

1 Gallon plastic jug (3.79 L.)

5 Gallon plastic pail (18.93 L.)

55 Gallon lined steel drum (208.18 L.)

COVERAGE PER GALLON:

Concrete block or brick: 150-200 sq. ft. (14-19 sq. m)

Concrete or dense masonry: 250-300 sq. ft. (23-28 sq. m).

SHELF LIFE

1 year, when stored in unopened containers at 50°F – 80°F.

CAUTION!

SILPRO offers products that may contain cement, latex, epoxy, and other chemicals. Please review the Safety Data Sheet before the use of this product.

GUARANTEE

Please call **SILPRO, LLC** for copy of guarantee.

The logo for SILPRO, featuring the word "SILPRO" in a bold, black, sans-serif font. The letters are slightly shadowed, giving it a three-dimensional appearance as if it's sitting on a surface.

Made in the USA - 08/26